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(71) Applicants (for all designated States except US): THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; National Institutes of Health, Office of Technology Transfer, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852-3804 (US). THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, ACTING THROUGH LOUISIANA STATE UNIVERSITY HEALTH SCIENCES CENTER IN SHREVEPORT [US/US]; 1501 Kings Highway, Shreveport, LA 71130 (US). UNIVERSITY OF ALABAMA RESEARCH FOUNDATION [US/US]; AB 1120G, 1530 3rd Avenue South, Birmingham, AL 35294-0111 (US). LOMA LINDA UNIVERSITY [US/US]; Anderson Street and Barton Road, Loma Linda, CA 92350 (US). WAKE FOREST UNIVERSITY [US/US]; Department of Physics, 208 Olin Physical Laboratory, Box 7507, 1834 Wake Forest University, Winston-Salem, NC 27109-7507 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GLADWIN, Mark, T. [US/US]; 4927 Nebraska, Avenue, Northwest, Washington, DC 20008 (US). SCHECHTER, Alan, N. [US/US]; 5405 Beech Avenue, Bethesda, MD 20814 (US). LEFER, David, J. [US/US]; 5035 Beechwood Hills Drive, Shreveport, LA 71107 (US). PATEL, Rakesh, P. [GB/US];

4172 River Walk Lane, Birmingham, LA 35294 (US). HUNTER, Christian, J. [US/US]; National Institutes of Health, Critical Care/NIDDK, 10 Center Drive, Building 10, Room 5D45, Bethesda, MD 20892 (US). POWER, Gordon, G. [US/US]; 1431 Henrietta Street, Redlands, CA 92373 (US). KIM-SHAPIRO, Daniel, B. [US/US]; 2065 Craig Street, Winston-Salem, NC 27103 (US). PLUTA, Ryszard [US/US]; National Institutes of Health NINDS, Building 10, Room 5D37, 10 Center Drive, MSC 1414, Bethesda, MD 20892-1414 (US). OLDFIELD, Edward, H. [US/US]; P.O. Box 309, Philmont, VA 22131 (US).

(74) Agent: HARDING, Tanya, M.; Klarquist, Sparkman, LLP, Suite 1600, One World Trade Center, 121 SW Salmon Street, Portland, OR 97204 (US).

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(54) Title: USE OF NITRITE SALTS FOR THE TREATMENT OF CARDIOVASCULAR CONDITIONS

(57) Abstract: It has been surprisingly discovered that administration of nitrite to subjects causes a reduction in blood pressure and an increase in blood flow to tissues. The effect is particularly beneficial, for example, to tissues in regions of low oxygen tension. This discovery provides useful treatments to regulate a subject's blood pressure and blood flow, for example, by the administration of nitrite salts. Provided herein are methods of administering a pharmaceutically-acceptable nitrite salt to a subject, for treating, preventing or ameliorating a condition selected from : (a) ischemia-reperfusion injury (e.g., hepatic or cardiac or brain ischemia-reperfusion injury); (b) pulmonary hypertension (e.g., neonatal pulmonary hypertension); or (c) cerebral artery vasospasm.

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